

11826-66 The code pulses separate the reference pulses from the detector signals after ampli-ACC NRI fication. These same code pulses prevent registration of the reference pulses when the detector signals are being recorded. Pulses from a second amplitudecontrolled oscillator may also be fed to the preamplifier input for simulating detector signals when checking the operation of the device. From the output of the preamplifier, the signals being studied and the reference pulses are fed to the to the third grid of a 6A3P tube, which controls amplification during stabilization. Amplification control voltage from the stabilization unit is fed to the first grid of this tube. The signals are then amplified by a UIS-II amplifier and fed through the expander to the amplitude analyzer. The various sections of the unit are described in detail, with diagrams of the cooling unit, low-noise preamplifier, expander, stabilization circuit, and output stage of the amplitude-controlled oscillator. Tests showed that continuous-duty stability of the analyzer is better than 0.15% with no apparent effects of interference from the cyclotron with which it is designed to be used. The authors thank S. M. Ryvkin, O. A. Matveyev, and N. B. Strokan for graciously supplying experimental detector models. Orig. art. ORIG REF: 003/ OTH REF: 001/ ATD PRESS:4// has: 8 figures.

SUB CODE: 40,09/SUBM DATE: 170ct64/

Neconstruction of the PS-64 scalers. Frib. i tekh. eksp. 6 no.1:
183-184 Ja-F '61.

1. Fiziko-tekhnicheskiy institut AN SSSR.
(Nuclear counters)

26439

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S/048/61/025/007/001/005 B108/B209

24,6300

AUTHORS: Andreyev, D. S., Vasil'yev, V. D., Gusinskiy, G. M.,

Yerokhina, K. I., and Lemberg, I. Kh.

TITLE: Study of the Coulomb excitation of nuclear levels with the

aid of accelerated multiply charged ions

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25,

no. 7, 1961, 832 - 847

TEXT: This paper was read at the XI Annual Conference on Nuclear Spectroscopy in Riga, January 25 - February 2, 1961. The purpose of the studies was to improve the results of earlier work (Ref. 1: Andreyev, D.S. et al., Nucl. Phys., 19, 400 (1960); Ref. 2: Alkhazov, D. G., et al., Zh. eksperim. i teor. fiz., 37, 1530 (1959)) by the method of reference levels (Ref. 1) which consists in measuring the excitation cross section of a reference level before and after measuring the excitation cross section of the level to be investigated. The following nuclear levels were used as reference levels: 0.44 Mev of Na²³ (B(E2)) = 0.11 · 10-48 e²cm⁴) for studying Li and B; 1.19 Mev of Ni (B(E2)) = 0.085 · 10⁻⁴⁸ e²cm⁴) for Card 1/6

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Study of the Coulomb...

studying Co; 0.76 Mev of Se⁷⁶ (B(E2)) = 0.42 · 10^{-48} e²cm⁴) for studying Mg, Ca, and Se; 1.15 Mev of Sn¹²² (B(E2)) = 0.26 · 10^{-48} e²cm⁴) for studying In, Sb, and Ce; 1.60 Mev of Ce 140 ($\tau = 1.1 \cdot 10^{-13}$ sec) for studying the even Sn isotopes and Ba 138; 0.16 Mev of Ti 47 (B(E2)1 = $0.040 \cdot 10^{-48} e^{2} cm^{4}$) for studying Sn¹¹⁷. The excitation probability, B(E2) , was determined with an error of 15 - 20%. Tables 1 and 2 contain the results of measurements. In all these studies, the authors made use of the broadening of the energy band of multiply charged ions accelerated in the cyclotron at the FTI (Institute of Physics and Technology). Ne ions having 16 - 18 Mev were used for studying the nuclear levels of light elements such as Li and B, and were also successfully applied to exciting higher levels in light and medium elements (Mg²⁵, Mg²⁶, Ca⁴⁴, Co⁵⁹, In¹¹⁵, and Sb). 52.5-Mev ions of N were able to excite the levels with energies of 1.4 - 1.6 MeV of heavier nuclei (Ba 138 and Ce 140). The nuclear levels of even-even isotopes were chiefly examined to complete the data on even-even nuclei and to compare results (Ref. 16: Kisslinger, Card 2/6

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. 26439, S/048/61/025/007/001/005 B108/B209

Study of the Coulomb ...

L. S., Sorensen, R. A., Dansk. Mat.-Fys. Medd., 32, No. 9 (1960)) (cf. Table 3). There are 16 figures, 3 tables, and 42 references: 7 Soviet-bloc and 31 non-Soviet-bloc.

Table 1. Coulomb excitation of levels (spin 2+) in even-even nuclei.

Legend: (1) Isotope, (2) level energy, Mev, (3) excitation probability, (4) level lifetime, 10^{-13} sec, (5) ratio of B(E2)T to the same quantity as estimated for a one-particle model (the nuclear radius in the calculations was assumed to be $R_0 = 1.2 \cdot 10^{-13} \, h^{1/3} \, cm$).

Table 2. Coulomb excitation of levels in nuclei with odd A and in odd-odd B^{10} nuclei.

Legend: (1), (2), (3) see Table 1, (6) nuclear spin in ground state, (7) nuclear spin in excited state, (8) partial lifetime of the level relatively to the electric quadrupole transition, sec.

Legend to Table 3: (1) Nucleus, (2) calculated value of B(E2) as taken from Ref. 16, (3) experimental value of B(E2). Card 3/6

24.7000

40574 \$/070/62/007/005/009/014 E132/E460

AUTHORS:

Kurov, G.A., Vasil'yev, V.D., Kosaganova, M.G.

TITLE:

Experiments on growing crystals of germanium in thin

layers

PERIODICAL: Kristallografiya, v.7, no.5, 1962, 773-779

Layers of germanium were obtained by vacuum evaporation onto substrates of different materials (quartz, graphite, steel etc). The influence of temperature and the material of the substrate on the dimensions and the form of the crystals were The temperature region of recrystallization of By the choice of germanium in thin layers was established. annealing regime and substrate the dimensions of grains could be increased by some (1 to 2) \times 10⁴ times. The importance of the perfection of very thin layers of germanium from an electrical point of view is considerable. Ge was evaporated at a pressure of about 10-5 mm Hg from a basket of W wire. The substrates could be heated during and after evaporation to 1000°C if The usual rate of evaporation was 1 micron/min and the final thickness 1 to 20 microns. It was found that the Card 1/2

5/070/62/007/005/009/014 E132/E460

Experiments on growing crystals ...

recrystallization temperature lies close to the melting point and is very slow below 900°C. Layers on steel or Fe were alloyed with Fe and showed an n-type conductivity. The steel substrate was held at about 800°C during the evaporation. After annealing at about 900°C for 6 to 12 hours, crystals with dimensions of 2 mm in layers 4 to 20 microns thick could be obtained. perfection of the crystallization was shown by back reflexion Kikuchi diagrams. There are 7 figures.

ASSOCIATION: Institut kristallografii AN SSSR

(Institute of Crystallography AS USSR)

October 27, 1961 SUBMITTED:

Card 2/2

KUROV, G.A.; VASIL'YEV, V.D.; KOSAGANOVA, M.G.

Experimental production of germanium crystals in thin films. Kristall-ografiia 7 no.5:773-779 S-0 162. (MIRA 15:12)

1. Institut kristallografii AN SSSR.

(Germainum crystals--Growth)

h0093 S/048/62/026/008/004/028 B163/B104

24.6300

Vasil'yev, V. D., Yerokhina, K. I., and Lemberg, I. Kh.

TITLE:

AUTHORS:

Investigation of Coulomb excitation of levels in the nuclei Fe^{57} , Ge^{73} , Rh^{103} , Pd^{105} , In^{113} , In^{115} , and Sn^{115}

PERIODICAL:

Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 8, 1962, 992 - 997

TEXT: The nuclei listed in the title were bombarded by $N^{14;4+}$ ions with energies of 30 Mev in the case of Fe⁵⁷, 36 Mev in that of Ge⁷³ and 42 Mev in all others. A number of nuclear levels not yet studied by Coulomb excitation were found and their reduced upward transition probabilities B(E2), parities, spin limits and partial life times T(E2) were determined. The error of the T(E2) values is of the order of 20 to 30%. The results are given in the table. There are 6 figures and 1 table.

ASSOCIATION:

Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute imeni A. F. Ioffe of the Academy of Sciences USSR)

Card 1/2

40094

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24.6300

AUTHORS:

Vasil'yev, V. D., Gangrskiy, Yu. P., Yerokhina, K. I., and

Lemberg, I. Kh.

TITLE: Investigation of the Coulomb excitation of the second level

21+ of Pd 104

PERICUICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26,

no. 8, 1962, 997 - 999

TEXT: Experimental investigation of the second level 2, tof the Pd 104

nucleus at 1.34 Mev by bombardment with N¹⁴;4+ions with an energy of 42 Mev. The γ -background is so low, and the first-state energy 0.56 Mev so much different from that of the cascade quanta (0.78 Mev), that a direct measurement of the γ -spectra can be evaluated. The reduced transition probability B(E2)₀₋₂, was calculated from the theoretical expression by Alder et al.

(Rev. Mod. Phys., 28, 432, (1956)) for the cascade excitation cross section to be $0.015 \cdot 10^{-48}$ e² cm⁴. This value coincides with the theoretical

Card 1/2

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Investigation of the Coulomb ...

estimation according to Weisskopf (one-particle model). The lifetime calculated from $B(E2)_{0\rightarrow 2}$, is $5.8\cdot 10^{-12}$ sec. The error is about 35%. There is 1 figure.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute imeni A. F. Ioffe of the Academy of Sciences USSR)

Card 2/2

40095

24,6300

S/048/62/026/008/006/028 B163/B104

AUTHORS: Vasil'yev, V. D., Yerokhina, K. I., and Lemberg, I. Kh.

TITLE: Lifetime of the first level of Ti⁵⁰

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26. no. 8, 1962, 999 - 1001

TEXT: An isotopically enriched target with 58% Ti⁵⁰ was Coulomb-excited with 30 MeV N^{14;3+} ions. For the level at 1.58 MeV the reduced upward transition probability B (E2) was determined as 0.040 e^{2.10-48}cm⁴ and the lifetime of this state as 1.03·10⁻¹²sec. For a correct evaluation of the area below the 1.58 MeV peak, it was compared with the areas of the 1.19 Nev peak of Ni⁶² and of the 0.615 MeV peak of Se⁷⁸. The results are compared with those for Ti⁴⁶ and Ti⁴⁸ (Andreyev et al., Nucl. Phys., 19, 400 (1960)). With increasing number of neutrons the excitation energy increases from 0.89 to 1.50, and B(E2) decreases from 0.083 to 0.040. There are 2 figures and 1 table.

WASIL'YEV, V.D., inzh.

Resolutions of the December Plenum of the Central Committee

put into action. Khim.mashinostr. no.2:1-3 Mr-kp '64.

(MIRA 17:4)

TIKHONOVA, A.A.; VASIL'YEV, V.D.; KUROV, G.A.

Appearance of dislocations in germanium films. Kristallografiia 8 no.6:932-933 N-D'63. (MIRA 17:2)

1. Institut kristallografii AN SSSR.

ACCESSION NR: AP30008/8 S/0286/63/000/002/0032/0032 AUTHOR: Kurov, G. A., Vasil'vev, V. D., Kosagnanova, M. G. FITLE: Method of growing monocrystals./ Class C 22f, 40d, 1 sub 30. No. 152741 SOURCE: Byul. izobreteniy i tovarnykh znakov, no. 2, 1963, 32 FOPIC TAGS: monocrystal growth, germanium, thin film ABSTRACT: A method of grawing monocrystals, say gormanium; its distinguishing feature is that in order to obtain the monocrystals in the form of thin films, the initial material is evaporated in vacuum through a screen on a base with subsequent recrystallization. No graphics. [Abstracter's note: complete cranslation] ASSOCIATION: none SUBMITTED: 09Nov61 DATE ACQ: 28Mny63 ENCL: 00 OTHER: 000	L 15654-63 Em	P(q)/EWE(m)/EDS A	PFTC/ASD JD				
FITLE: Method of growing monocrystals. / Class C 22f, 40d, 1 sub 30. No. 152741 SOURCE: Byul. izobreteniy i tovarnykh znakov, no. 2, 1963, 32 FOPIC TAGS: monocrystal growth, germanium, thin film ABSTRACT: A method of grawing monocrystals, say gormanium; its distinguishing feature is that in order to obtain the monocrystals in the form of thin films, the initial material is evaporated in vacuum through a screen on a base with subsequent recrystallization. No graphics. [Abstracter's note: complete translation] ASSOCIATION: none BURMITTED: 09Nov61 DATE ACQ: 28May63 ENCL: 00	ACCESSION NR: AP30008/	8	s/0286/63/	/000/002/00	32/0032		
FOPIC TAGS: monocrystal growth, germanium, thin film ABSTRACT: A method of grawing monocrystals, say gormanium; its distinguishing feature is that in order to obtain the monocrystals in the form of thin films, the initial material is evaporated in vacuum through a screen on a base with subsequent recrystallization. No graphics. [Abstracter's note: complete cranslation] ASSOCIATION: none BURMITTED: 09Nov61 DATE ACQ: 28Mny63 ENCL: 00 BUB CODE: EL NO REF SOV: 000 OTHER: 000	AUTHOR: Kurov, G. A.,	Vasil'yev, V. D., I	Kosagnanova, M. G.	•	56		
MESTRACT: A method of grawing monocrystals, say gormanium; its distinguishing seature is that in order to obtain the monocrystals in the form of thin films, the initial material is evaporated in vacuum through a screen on a base with subsequent recrystallization. No graphics. [Abstracter's note: complete translation] ASSOCIATION: none SUBMITTED: 09Nov61 DATE ACQ: 28Mny63 ENCL: 00 UB CODE: EL NO REF SOV: 000 OTHER: 000	CITLE: Method of growi	ng monocrystals./ C	Class C 22f, 40d, 1	L sub 30. 1	10. 152741		
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HENING, V.S., inzh.; VASIL'YEV, V.D., inzh.

Interaction of a shorting device and a separator. Elek. sta.
35 no. 4:79-80 Ap '64.

(MIRA 17:7)

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L 07837-67 EAT(1)/EAT(m)/EWP(t)/ETI IJP(c) JD/CG ACC NR: AP6024672 (A) SOURCE CODE: UR/0070/66/011/004/0668/0672	
AUTHOR: Vasil'yov, V. D.; Tikhonova, A. A.	
ORG: Institute of Crystallography AN SSSR (Institut kristallografii AN SSSR)	· .
TITLE: Temperature conditions for the formation of opitaxial germanium films by the method of evaporation in vacuum	
SOURCE: Kristallografiya, v. 11, no. 4, 1966, 668-672	•
TOPIC TAGS: germanium semiconductor, semiconducting film, epitaxial growing, evaporation, temperature dependence, crystal defect, heat effect	· ·
ABSTRACT: The authors present a calculation of the temperature variation and an estimate of the maximum possible temperature rise for characteristic experimental conditions prevailing when epitaxial germanium films are produced by evaporation in vacuum from a molecular beam. The substrate was heated in a graphite even by radiation under conditions where it can be assumed that the even constitutes an absolutely black body. The heat flux from the evaporator and the associated temperature rise of the substrate is estimated for different experimental conditions. The temperature of the growing epitaxial film is determined from the propagation of the	
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PETROCHENKO, P.F., kand.ekon.mauk; VORONIN, Ye.P.; ROZHKOVA, V.V.; POPKOV, L.V.; PRIGARIN, A.A.; KALLAL, I.I.; RYSS, V.M.; EKHIN, P.E.; KULAGIN, N.N.; VASIL'YEV, V.F.; LISOV, V.Ye., red.; PONCMAREVA, A.A., tekhn. red.

[Organization of work and establishing work norms in industrial enterprises] Organizatsiia i normirovanie truda na promyshlennykh predpriiatiiakh. Pod obshchei red. P.F.Petrochenko. Moskva, Izdvo ekon.lit-ry, 1962. 285 p. (MIRA 15:4)

1. Moscow. Nauchno-issledovatel'skiy institut truda. (Production standards)

VASIL'YEV, Vsevolod Dmitriyevich; KVASOV, N.V., red.

[Securing patentability and patent clearance in design in chemical machinery manufacture] Obespechenie patentosposob-

nosti i patentnoi chistory pri proektirovanii v khimicheskom mashinostroenii. Leningrad, 1964. 29 p. (MIRA 18:3)

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CIA-RDP86-00513R001858920004-4

L 26377-66

ACC NR: AP6007660

SOURCE CODE: UR/Oh13/66/000/003/0028/0028

AUTHORS: Barenboyr, I. Yu.; Dubrova, Ye. P.; Vasil'vev, V. D.; Lurik, N. M.; Radzevich, Ye. N.; Spitkovskiy, S. A.; Fuks, G. B.; Fel'dman, M. B.; Leybman, Ya. M.; Kolomoytsev, B. B.; Flaks, V. A.; Khandzhi, V. V.; Gol'dfel'd, L. M.; Lifshits, I. L.

ORG: none

TITLE: A means of erecting railroad bridges of arched-span construction from separate sections. Class 19, No. 178393

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 28

TOPIC TAGS: bridge, bridge construction, structural engineering, railroad bridge, cantilever bridge

ABSTRACT: This Author Certificate presents a means for erecting railroad bridges of arched span construction from separate sections. The sections are suspended and joined with struts of the structure above the arch by temporary sloping and horizontal members. These members serve as cross-stays and upper booms. The sections also feature a cantilever truss (see Fig. 1) with a triangular framing, the lower girder of which forms a semi-arch. The upper girder of the cantilever truss is set above the travel span, which includes separate elements of the truss used in mounting and elevating the structure. These members subsequently form a triangular cantilever

Card 1/2

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ACC NR. AP6007660

Fig. 1. 1 - upper string of the cantilever truss; 2 - struts; 3 - slanting members; 4 - lower string panels; 5 - anchor post; 6 - key block; 7 - floor plates; 8 - cables; 9 - anchor block; 10 - tension cables; 11 - joints.

frame, cross-stays and semi-arch sections. Each panel thus formed serves as a support for the next panel. The panels are rigidly fastened along the entire face. the process being repeated until the entire semi-arch is formed. Then cables are placed between the link sections and the support. When the cables are tightened, the semi-arches are rotated with respect to the support section, thus unloading the diagonal and horizontal members of the cantilever. The cables are removed, after which the travel-span plates are placed upon the structure above the arch between the link sections of the semi-arch and the support. When the wearing surface is completely laid, the remaining part of the cables is tightened. Favorable working conditions for the support are created by freeing the support from one-sided loadings; assembly of the semi-arch takes place simultaneously on both sides of the pier, with each addition being a cantilever addition. The abutment portion of the semi-arch is prepared in place between the first support block of the semi-arch and the pier. Forces in members of the cantilever are lessened by the introduction of stiffener cables in the upper girder at 1/2-2/3 of its design length. Moments in panels on the semi-arch are reduced through a skewed arrangement of axes of diagonals relative to points of intersection of the axes of vertical members and the semi-arch blocks. Joints are placed between adjacent semi-arches on the assembled panels, thus controlling the position of cantilever frames in the span. Orig. art. has: 1 figure. Card 2/2 SUB CODE: 13/ SUBM DATE: 14Nov64

IZVOLENSKIY, Vladimir Nikolayevich; VASIL'YHV, V.F., redaktor; YUDZON, D.M., tekhnicheskiy redaktor

[Legal problems of railroad transportation] Pravovye voprosy zhelsenodorozhnykh perevozok. 2-e perer. izd. Moskva, Gos. transp. zhel-dor. izd-vo, 1955. 187 p. (NIRA 9:3)

(Railroads--Freight)

- 1. VASIL'YEV, V. F. Eng.
- 2. USSR (600)
- 4. Paper-Making Machinery
- 7. Manufacture of two-layer on Fourdrinier paper machines. Bum.grom. 27 no. 11, 1952.

9. Monthly List of Hussian Accessions, Library of Congress, February 1953, Unclassified.

VASIL'YEVA, V.Ya., otv.red.; GUBER, A.A., otv.red.; UZYANOV, A.N., otv.red.; ZHABHEYEV, A.F., red.; VASIL'YEV, V.F., red.; EPSHTEYN, V.G., red. karty; LIVSHITS, Ya.L., red.izd-va; TRENKEL', M.Yu., red.izd-va; PANAS'YANTS, M.D., red.izd_va; TSIGEL'MAN, L.T., tekhn.red.

[Union of Burma; a collection of articles] Birmanskii Soius; sbornik statei. Moskva, Isd-vo vostochnoi lit-ry, 1958. 291 p. (MIRA 12:2)

1. Akademiya nauk SSSR. Institut vostokovedeniya. 2. Nauchnyy sotrudnik Instituta vostokovedeniya (for Epshteyn).
(Burma)

VASIL'YEV, V. F.

Dissertation: "Interaction of Forces Pulling a Locomotive, and Local Rolled Iron Used for Wheels." Cand Tech Sci, Moscow Electromechanical Inst of Railroad Transport Engineers, Moscow, 1954. (Referativnyy Zhurnal--Mekhanika, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

BENESHEVICH, I.I., kandidat tekhnichenkikn neuk; BOGIN, N.H., kandidat tekhnicheskikh nauk; BYKOV, Ye.i., inzhener; VLASOV, I.I., kendidat tekhmicheskikh nauk; GRITSEVSKIY, M.Ye., inzhener; GRUBER, L.O., inzhener GURVICH, V.G., inzhener; DAVYDOV, V.N., inzhener; YER-SHOV, I.M., kandidat tekhnicheskikh nauk; ZASORIN, S.N., kandidat tekhnicheskikh nauk; IVANOV, I.I., kandidat tekhnicheskikh nauk; KRAUKLIS, A.A., inzhener; KRUTOV, L.B., inzhener; LAPIN, V.B., inzhener; LASTOVSKIY, V.P., dotsent; LATUNIN, N.I., inzhener; MARKVAHDT, K.G., professor, doktor tekhnicheskikh nauk; MAKHAYLOV, M.I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V.A., inzhener; OSKOLKOV, K.N., inzhener; OKHOSHIN, L.I., inzhener; PARFENOV, K.A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L.M., inzhener; POPOV, I.P., inzhener; PCRSHMEV, B.G., inzhener; RATMER, H.P., inzhener; ROSSIYAVSKIY, G.I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I.I., kandidat tekhnicheskikh nauk; RYSHKOVSKIY, I.Ya., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A.Ya., professor [deceased]; TAGER, S.A., kandidet tekhnicheskikh nauk; KHAZEN, M.M., professor, doktor tekhnicheskikh nauk; CHERNYSHEV, M.A., doktor tekhnicheskikh nauk; KBIN, L.Ye., professor, doktor tekhnicheskikh nauk; YUKAMEV, B.H., dotsent; AKSENOV, I.Ya., dotsent, kandidat tekhnicheskikh nauk; ARKHANGKL SKIT, A.S., inzhener; BARTENEV, P.V., professor, doktor tekhnicheskikh nauk; BHRNGARD, K.A., kandidat tekhnicheskikh nauk; BURDVOT, N.Ye., dotsent, kandidat tekhnicheskikh nauk; BOGDANOV, I.a., inshener; BOGDANOV, N.K., kandidat tekhnicheskikh nauk; VINNICHENKO, N.G., dotsent, kandidat ekonomicheskikh nauk; (Continued on next card)

HENESHEVICH, I.I .--- (continued) Card 2. VASIL'YEV, V.F.; GONCHAROV, H.G., inzhener; DERIBAS, A.T., inzhener; DOBROSEL'SKIY, K.M., dotsent, kandidat tekhnicheskikh nauk; DLUGACH, B.A., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., kandidat tekhnicheskikh nauk; ZEMBLINOV, S.V., professor, doktor tekhnicheskikh nauk; Zahrilo, M.L., kandidat tekhnicheskikh nauk; IL'IN, K.P., kandidet tekhnicheskikh nauk: KARETHIKOV, A.D., kandidat tekhnicheskikh nauk; KAPLUN, F.Sh., inzhener; KANSHIN, M.D.; KOCHNEV, F.P., professor, doktor teknnicheskikh nauk; KOGAN, L.A., kandidat tekhnicheskikh neuk; KUCHURIN, S.F., inzhener; LEVASHOV, A.D., inzhener; MAKSIMOVICH, B.M., dotsent, kandidat tekhnicheskikh nauk; MARTYNOV, M.S., inzhener; MEDEL*, O.M., inzhener; NIKITIN, V.D., professor, kandidat tekhnicheskikh nauk; PADNYA, V.A., inzhener; PANTELEYEV, P.I., kandidat tekhnicheskikh nauk; PMTROV, A.P., professor, doktor tekhnicheskikh nauk; POVOROZHENKO, V.V., professor, doktor tekhnicheskikh nauk; PISKAREV, I.I., dotsent, kandidat tekhnicheskikh nauk; SERGEYEV, Ye.S., kandidat tekhnicheskikh nsuk; SIMONOV, K.S., kandidat tekhnichekikh nauk; SIMANOVSKIY, M.A., inzhener; SUYAZOV, I.G., inzhener; TAIDAYEV, F.Ya., inzhener: TIKHONOV, K.K., kandidat tekhnicheskikh nauk; USHAKOV, N.Ya., inzhenr; USFENSKIY, V.K., inzhener; FEL'DMAN, E.D., kandidat tekhnicheskikh nauk; FERAPONTOV, G.V., inzhener; KHOKHLOV, L.P., inzhenr; CHERNOHORDIK, G.I., professor, doktor tekhnicheskikh nauk; SHAMAYEV, H.F., inshener; SHAPIRKIN, B.I., inzhener; YAKUSHIN, S.I., inzhener; ORANOVSKIY, P.G., redaktor; TISHCHENKO, A.I., redaktor; ISAYEV, I.P., dotsent, kandidat tekhnicheskikh nauk, redsktor; KLIMOV, V.F., dotsent kandidat tekhnicheskikh (Continued on next card)

BENESHEVICH, I.I. (continued) Card 3.

nauk, redaktor; MARKOV, H.V., inzhener, redaktor; KALIHIH, V.K.,
inzhener, redaktor; STEPANOV, V.H., professor, redaktor; SIDCROV, H.I.,
inzhener, redaktor; GERONIMUS, B.Ye., kandidat tekhnicheskikh nauk,
redaktor; ROBEL*, R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskii sprayochnik zheleznodorozhnika. Hoskva, Gos. transp.zhel-dor. izd-vo. Vol.10. [Electric power supply for railroads] Energosnabzhenie sheleznykh dorog. Otv.red. toma K.G.Markvardt. 1956. 1080 p. Vol.13. [Operation of railroads] Ekspluatatsiia zheleznykh dorog. Otv. red. toma R.I.Robel. 1956. 739 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov)
(Electric railroads) (Reilroads---Management)

L 11642-66 EWT(m)/T LJP(c) ACC NR. AP6001592 SOURCE CODE: UR/0120/65/000/006/0195/0197	
ACC NR. AP6001592 SOURCE CODE: UR/0120/65/000/006/0195/0197	
AUTHOR: Belogurov, V. N.; Vasil'yev, V. F.	
ORG: Institute of Physics, AN LatSSR, Riga (Institut fiziki AN LatSSR)	
TITIE: Fast coincidence circuit with discrimination of random coincidences SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1965, 195-197	
SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1965, 195-197	
TOPIC TAGS: particle counting, scintillator	
ABSTRACT: A circuit is described for simultaneous measurement of true and delayed random coincidences. Slow scintillators /4 with NaI(T1) crystals were used. The circuit is based on the utilization of backlash characteristic of a Schmidt trigger and is similar to the circuits described by W. Gruhle (Nucl. Instrum. and Methods, 1959, 4, no. 2, 112) and by R. L. Chase (Rev. Scient. Instrum. 1960, 31, no. 9, 945). The arrangement used by the authors consisted of 14 electron tubes. They were divided into six main circuits including the delayed and nondelayed pulse shaping circuit, the coincidence circuit, the	_
non-delayed pulse forming circuit, the random-coincidence discrimination circuit, the amplification circuit, and the anticoincidence circuit. The	-
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measured by an F	EU-13 photomu	ltiplier, was 30 .n	sec .
resolving time, measured by an F 100% selection was obtained	l for bipolar i	nput signals having	g ampli-
under from 5 to 300 v and a 17	ont bulla-up	CTIR OT 0.2 hace.	
the armongement was illustrated	hv a block die	agram and comiecero	n net-
ork. The authors are indebted	to B. A. Zager	r (Olial, Duona) 10:	r assis-
ance in their work. Orig. art.	, has: /3 diag	rams. 55	[22]
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VASIL'YEV, Vladimir Grigor'yevich; STHYZHKOVA, N.I., red.; BODANOVA, A.P., tekhn. red.

STATE OF THE PROPERTY OF THE PROPERTY OF

[Organization of work and wages for maintenance and repair workers in automotive transportation units] Organizatsiia truda i zarabotnoi platy remontno-obsluzhivaiushchikh rabochikh avtokhoziaistv. Moskva, Avtotransizdat, 1962. 105 p. (MIRA 15:7)

(Wages-Transportation, Automotive)

28213 \$/194/61/000/005/044/078 D201/D303

16,8000 (1329,1132)

AUTHORS:

Vasil'yev, V.G and Sharlya, I.

TITLE:

Dynamic properties of the proportional-plus-integral

regulator type NP -130 (IR-130)

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1961, 39-40, abstract 5 V326 (Tr. Khar'kovsk. politekhn. in-ta, 1960, 30, no. 1, 57-71)

To simplify the given structural diagram of the regulator (R) - linearization is made of relationships with indifferent nonlinearities. The time of acceleration and of coasting of the load motor and of the isodrome motor are neglected. The characteristics of switching circuits of control motors may be linearized also if provided the changes of the regulated quantity and consequently those of input of R occur relatively slowly. In this case the transfer function of R may be represented in the form

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28213 S/194/61/000/005/044/078 D201/D303

Dynamic properties...

$$W(p) = \frac{x_{out}}{x_{in}} = -\left[k_1 + (T_{3p} + K_2 \frac{T_{4} \cdot p}{T_{4p} + 1} + K_3) \frac{1}{T_{2} \cdot p}\right].$$

The coefficient K₁ depends on the position of the adjustment handle, on the degree of uniformity and varies from 0.1 to 1.8. The time constant T₂ may be controlled by the adjustment of the "duplicate time" within the range 400 to 3200 sec. The mean values of the remaining quantities for the IR 130 are: T₃ = 15.35 sec; T₄ : 11 sec; K₂ = 4.64; K₃ * 1.32. To check the correctness of the assembly of the linearized structural circuit and to determine its parameters analytical and experimental processes in a control system were compared. The experimental characteristics were determined with the IR-130 working together with the hydraulic analogue of the system. The analogue may be represented by one section with delay and an aperiodic section of the first order. 3 references. Abstracter s note: Complete translation.

Card 2/2

VASILYEV, V. G. (Novosibirsk):

生產性的

"A reduction of the basic biharmonic problem to a successive solution of two Poisson's equations."

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964.

MALEVSKIY, Yuzef Boleslavovich; VASIL'YEV, Valentin Grigor'yevich; GRABIN, Vladimir Fedorovich; NERODENKO, M.M., inzh., red.; POGORETSKAYA, L.N., red.

[Equipment for the dilatometric study of transformations in welded joints] Ustanovki dlin dilatometricheskogo issledovaniia prevrashchenii v svarnykh soedineniiakh. Kiev, Naukova dumka, 1964. 35 p. (MIRA 17:11)

VASIL'YEV, Vladimir Grigor'yevich; LOHONINA, s., red.; FOKELEBLINA, M., tekhn. red.

[Ways to improve production quality] Puti povysheniia kachestva produktsii. Moskva, Mosk. rabochii, 1963. 69 p. (MIRA 17:2)

BUYALOV, N.I.; VASIL'YEV, V.G.
Bibliography. Gaz. prom. 7 no.6:54 '62. (MIRA 17:6)

VASIL'YEV, V.G., kand.tekhn.nauk

Bearing capacity of reinforced concrete arches without articulation. Trudy KHIIT no.45:54-66 '61. (MRA 15:5)

(Arches) (Reinforced concrete construction)

VASIL'YEVA, V.N.; PEREKALIN, V.V.; VASIL'YEV, V.G.

Study of the structure of unsaturated nitro compounds by the method of dipole moments. Zhur.ob.khim. 31 no.7:2171-2175 J1 '61. (MIRA 14:7)

1. Leningradskiy gosudaratvennyy pedagogicheskiy institut imeni A.I. Gertsena i Fiziko-khimicheskiy institut imeni L.Ya. Karpova. (Nitro compounds)

VASIL'YEVA, V.N.; PEREKALIN, V.V.; VASIL'YEV, V.G.

Dipole moment study of the effect of steric factors on conjugation in the molecules of unsaturated nitro compounds. Zhur.ob.khim. 31 no.7:2175-2178 J1 '61. (MIRA 14:7)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni A.I. Gertsena i Fiziko-khimicheskiy institut imeni L.Ya. Karpova. (Nitro compounds-Dipole moments)

VASIL'YEVA, V.N.; PEREKALIN, V.V.; VASIL'YEV, V.G.

Method of dipole moments used for studying the structure of unsaturated nitro compounds. Dokl. AN SSSR 1/1 no.3:620-623 N '61. (MIRA 14:11)

1. Predstavleno akademikom A.N. Frumkinym.
(Nitro compounds---Dipole moments)

VASIL'YEV, V.G.; TREBIN, F.A.

Geological bases for increasing oil and gas recovery in the U.S.S.R. in 1961-1930. Neft. khoz. 40 no.6:1-6 Je '62. (MIRA 15:6)

(Petroleum geology)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920004-4"

8/032/61/027/002/024/026 B124/B201

AUTHORS:

Grabin, V. F., Vasil'yev, V. G., and Rafalovskiy, V. A.

TITLE:

Exchange of experience

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 2, 1961, 234-235

TEXT: The authors suggested the design of a vacuum differential dilatometer for studying conversion processes at temperatures of up to 1200°. This dilatometer, which is schematically shown in a figure, works on the following principle: The standard and the test sample are filled into the quartz tubes 1 and 2 which are sealed afterwards. The hooked quartz tube 3 is connected by fusion to tube 2 and houses a thermocouple 4 which allows measuring the temperature of the sample directly on the surface of the latter without interfering with the vacuum. All three quartz tubes are housed in another quartz tube 5 which is fastened to the basal plate 9 of the dilatometer by means of a vacuum sealing, consisting of screw nut 6, vacuum ring 7, and connecting piece 8. A special backrest 10 is provided between 7 and the turnbuckle barrel to prevent the quartz tube 5 from being damaged when screwing on 6. The quartz press heads 13 and 14 respond Card 1/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920004-4" Exchange of ...

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S/032/61/027/002/024/026 B124/B201

to any deformation in extension of either standard or sample and simultaneously transfer it to the slide bars 11 and 12. The latter are pressed onto the rollers 15 and 16 by means of coil springs 17. The slide bar 11 moves on the two rollers 15 (both having the same diameter), and thus changes its position with respect to block 18. The slide bar 12 changes its position both with respect to 18 and 11. In doing so, it moves along 16 to which reflector 19 is attached. The leads of the thermocouples outside the vacuum bell 20, and the basal plate are water cooled. The angle of rotation of reflector 19 is proportional to the displacement of 11 and 12 with respect to 18, i.e., it is proportional to the mutual displacement of standard and sample. The beam reflected from 19 is recorded by a scale or a photographic drum. A magnification of up to the 5,000-fold may be attained by changing the diameter of 16 and the distance between reflector and scale or photographic drum, respectively. A so-called "system of continuous addition", consisting of rollers and the evacuation of the dilatometer head, which is incorporated in the device, allows a direct recording of the differential curve. By means of the dilatometer described, the sample temperature can be measured with high accuracy, even at high temperatures, since decarbonization or oxidation of Card 2/4

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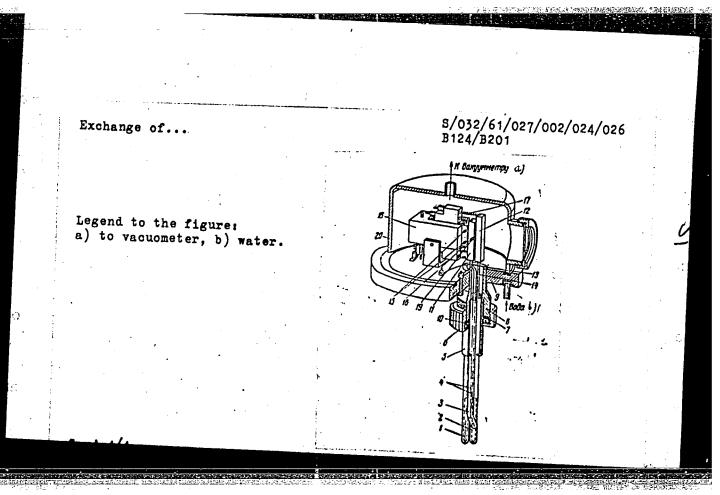
Exchange of ...

S/032/6i/027/002/024/026 B124/B201

the sample are excluded. The dilatometer may be used for investigations at low and/or high temperatures. [Abstracter's note: This is a full translation]. There is 1 figure.

ASSOCIATION: Institut elektrosvarki Akademii nauk USSR (Institute of Electric Welding, Academy of Sciences UkrSSR). Institut metallofiziki Akademii nauk USSR (Institute of the Physics of Metals, Academy of Sciences UkrSSR)

Card 3/4



VASIL'YEV, V.G. (g. Zhukovskiy)

Multiply coupled reproducing systems with linear corrective transforming complexes. Avtometriia no.3:3-18 '65.

1. Submitted Feb. 9, 1965.

(MIRA 19:1)

WALLITSV, V.G.; Tallill, R.D., YEROFEYEV, R.B.; SUKOLOV, V.L.

Result: of gas prospecting for the first three years
of the seven-year plan. Gool. nefti i gaza 6 no.6:1-4
Jo '62.

1. Vsosophizmy nauchne-isoledovatel'skiy institut prirednykh
gazov.

(Gas, Hatural--Geology)

中的大批电话

MIRCHINK, M.F.; VASIL'YEV, V.G.: DIKENSHTEYN, G.Kh.; YENIKEYEV, P.N.; YEROFEYEV, N.S.; KIROV, V.A.; L'VOV, M.S.; MAKSIMOV, S.P.; RUSAKOVA, L.Ya., red.

[Geological prerequisites for the development of oil and gas production in the U.S.S.R.] Geologicheskie predposylki razvitiia neftegazodobyvaiushchei promyshlennosti SSSK. Leningrad, Nedra, 1965. 112 p. (MIRA 19:1)

SLAVIN, R.M., inzh.; VASIL'YEV, V.G., inzh.; GERAS'KOV, N.I., inzh.

Complex of machines for over-all mechanization of large poultry houses. Zhivotnovodstvo 24 no.5:74-78 My '62. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva.

(胡纓梨)。1

SLAVIN, R.M.; VASIL'YEV, V.G.; GERAS'KOV, N.I.; KISHECHNIKOV, S.A.; DMITRIYEV, I.N., red.; TRUKHINA, O.N., tekhn.red.

[Overall mechanization in poultry raising] Kompleksnaia mekhanizatsiia v ptitsevodstve. [By] R.M.Slavin i dr. Moskva, Sel'khozizdat, 1963. 287 p. (MIRA 17:2)

VASIL: YEV, V.G., kand. tekhn. nauk

Using the method of the adjustment of the enveloping curve in the design of reinforced concrete arches. Trudy KHIIT no.45:36-53 *61.

(Arches) (Prince of the adjustment of the enveloping curve in the design of reinforced concrete arches. Trudy KHIIT no.45:36-53 *61.

(Arches) (Reinforced concrete construction)

BYKHOVSKIY, S.I.: VASIL'YEV, V.G., inzh.; KHORDAS, G.S., inzh.

High pressure air conditioning system. Sudostroenie 25 no.7:12-14
J1 '59. (MIRA 12:12)

(Ships--Air conditioning)

L 4948-66

ACC NR: AP5025723

SOURCE CODE: UR/0286/65/000/018/0078/0078

AUTHOR: Vasil'yev, V. C.

ORG: none

TITLE: Goordinatograph. Class 42, No. 174803

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 78

TOPIC TAGS: graphic data processing, graphic reproduction

ABSTRACT: This Author Certificate presents a coordinatograph for recording curves. The ordinate and abscissa values for the curves are fed by the output signals of ohmic resistance sensing elements. To simplify the device while assuring sufficient precision of curve construction, the coordinatograph contains bridge circuits with automatic compensation for controlling the abcissa and ordinate drives.

SUB CODE: DP, MA/ SUBI

SUBM DATE: 28Mar64

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UDC: 681.2.087

6901 1589

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920004-4"

SKUL'SKIY, Yu.V.; VASIL'YEV, V.G.

2. 数据生日

Resistance butt welding of cast-iron pipe. Avtom. svar. 15 no.3:7-12 Mr 162. (MIRA 15:2)

1. Ordena Trudovogo Krasnogo Znameni institut elektrosvarki imeni Ye.O. Patona AN USSR.

(Pipe; Cast iron-Welding)

sov/161-58-4-6/28 Vasil'yev, Vyacheslav Georgiyevich, Chief Engineer 28(1) AUTHÓR:

Automatic Equipment for the Solution of Volterra Integral Equations of the 2nd Type With a Kernel of the k(t - x)-Type TITLE:

(Avtomaticheskoye ustroystvo dlya resheniya integral'nykh uravneniy Vol'terra vtorogo roda s yadrom tipa k(t - x))

Nauchnyye doklady vysshey shkoly. Elektromekhanika i PERIODICAL:

avtomatika, 1958, Nr 4, pp 36-38 (USSR)

Usually computors with nonlinear direct-current models are ABSTRACT:

used for the solution of Volterra integral equations. In these devices the Volterra integral equations are solved by means of the method of the successive approximation. But these also be solved by means of computors with equations can linear direct-current amplifiers. These devices give the solution in a single working operation. Here a block circuit of such a device for the solution of Volterra integral equations of the 2nd type with a kernel of the k(t - x)-type is

given. It is shown that on the basis of this circuit an automatic device can be realized securing the solution of Volterra

integral equations of the 2nd type with the required exactness

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SOV/161-58-4-6/28

Automatic Equipment for the Solution of Volterra Integral Equations of the 2nd Type With a Kern 1 of the k(t - x)-Type

> on finding the searched function. In the circuit given here there are three linear inertialess direct-current amplifiers and a passive quadrupole. Instead of two of the linear directcurrent amplifiers there can also be used systems with an amplitude modulator, an alternating-current amplifier, and a phase sensitive detector in the automatic devices given here. The publication of this paper was recommended by the Kafedra avtomatiki, telemekhaniki i matematicheskikh mashin Moskovskogo energeticheskogo instituta (Chair of Automation, Telemechanics, and Mathematical Machines at the Moscow Institute of Power Engineering. There is 1 figure.

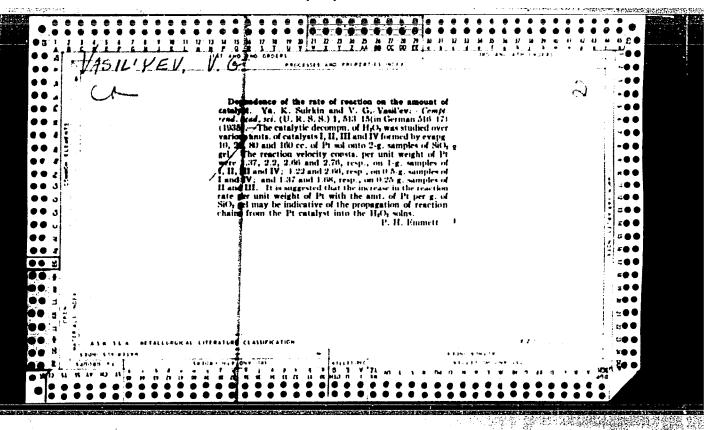
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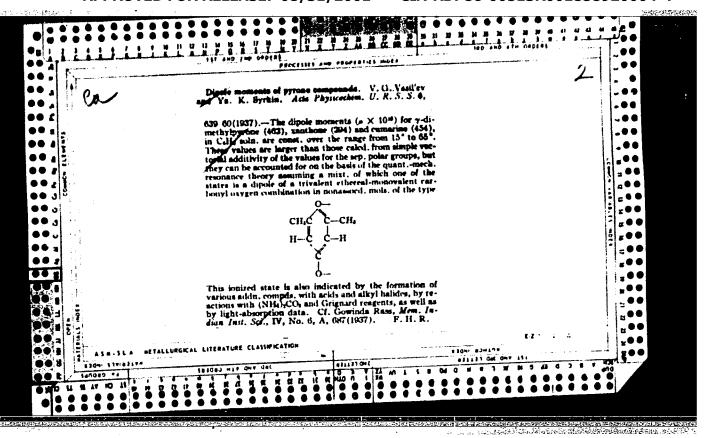
September 13, 1958

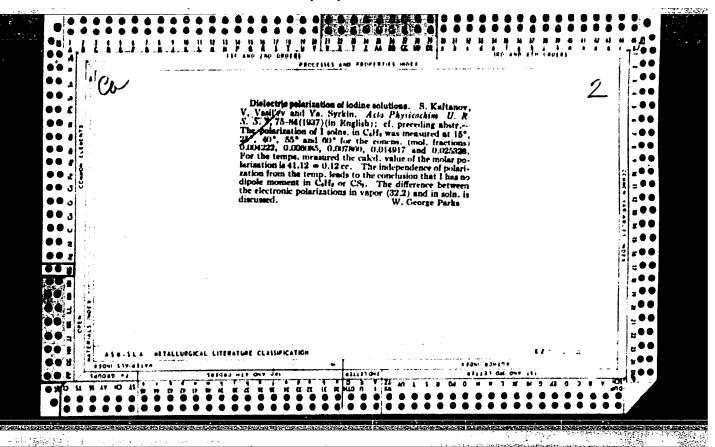
ASSOCIATION: NII

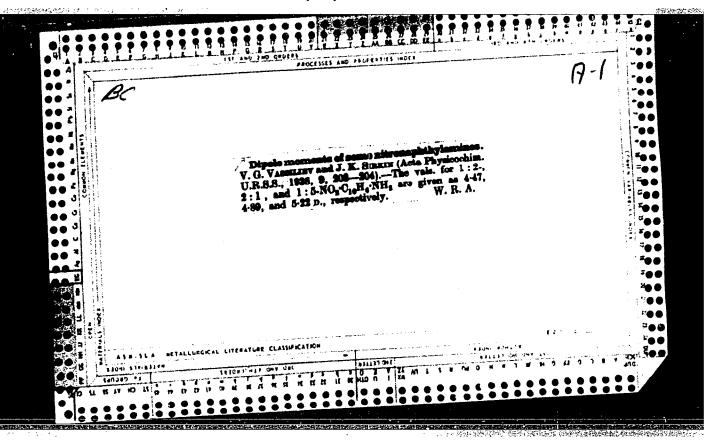
Card 2/2

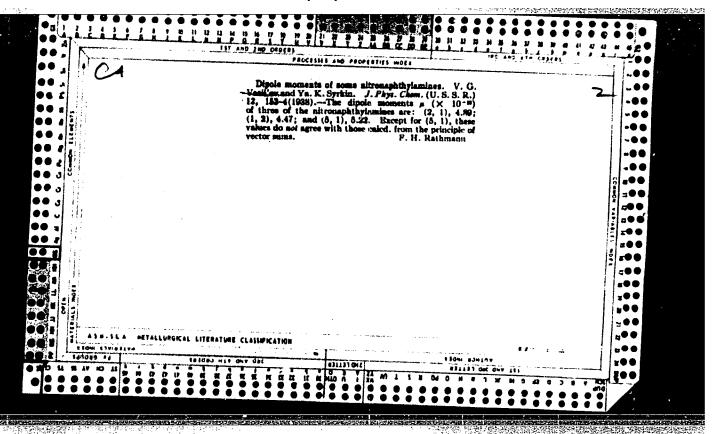
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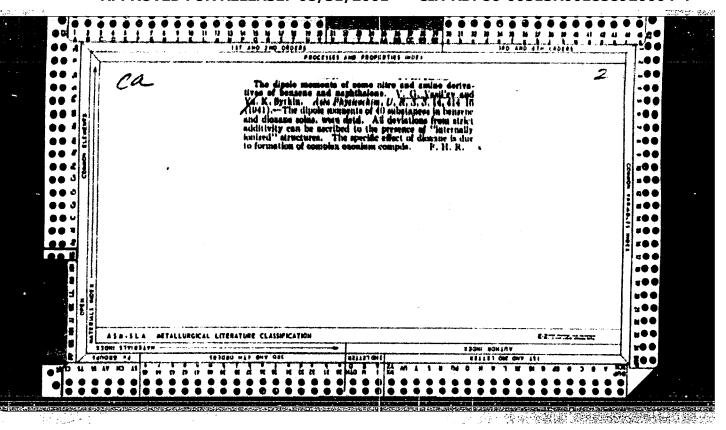












VASIL'YEV, V.G.; KHANIN, A.A.

Distribution of oil and gas pools in the cross section of the sedimentary mantle of the U.S.S.R. Geol. nefti i gaza no.11:1-5 %:63. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza.

MIRCHINK, M.F.; VASIL'YEV, V.G.; DIKENSHTEYN, G.Kh.; YENIKEYEV, P.N.; YEROFEYEV, N.S.; KIROV, V.A.; L'VOV, M.S.; MAKSIMOV, S.P.; RUSAKOVA, L.Ya., red.

[Geological prerequisites for the development of the petroleum— and gas—production industry of the U.S.S.R.] Geologicheskie predposylki razvitiia neftegazodobyvaiu—shchei promyshlennosti SSSR. Leningrad, Nedra, 1965. 112 p. (MIRA 18:10)

AMURSKIN, G.1.; VASIL'YEV, V.G.; VOL'VOVSKIY, I.S.; GARETSKIY, R.G.;

Basic tectonic elements in the western part of Central Asia.

Meftegaz. geol. i geofiz. no.4:7-10 '65.

1. Upravleniye geologii i okhrany nedr pri Sovete Ministrov

1. Upravleniye geologii i okhrany nedr pri Sovete Ministrov

Turkmenskoy SSR, Vessoyuznyy nauchno-issledovatel'skiy institut

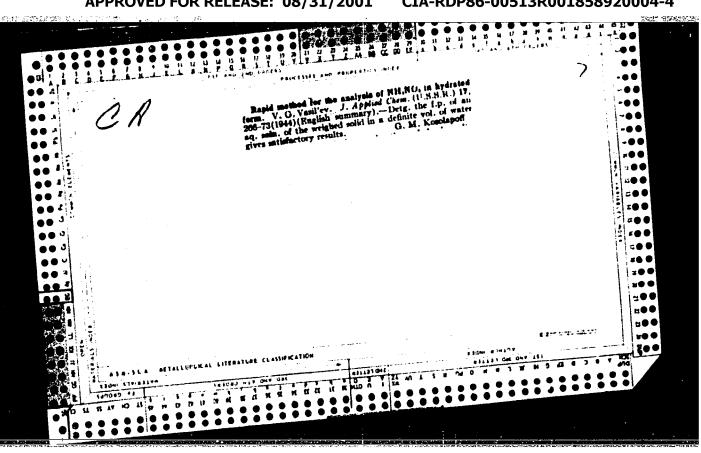
Turkmenskoy GRA; Vessoyuznyy nauchno-issledovatel'sknya

prirodnogo gaza; IG AN SSSR i Nauchno-issledovatel'sknya

Sredne-Aziatskaya geofizicheskaya ekspeditsiya, kontora

Spetsgeofizika.

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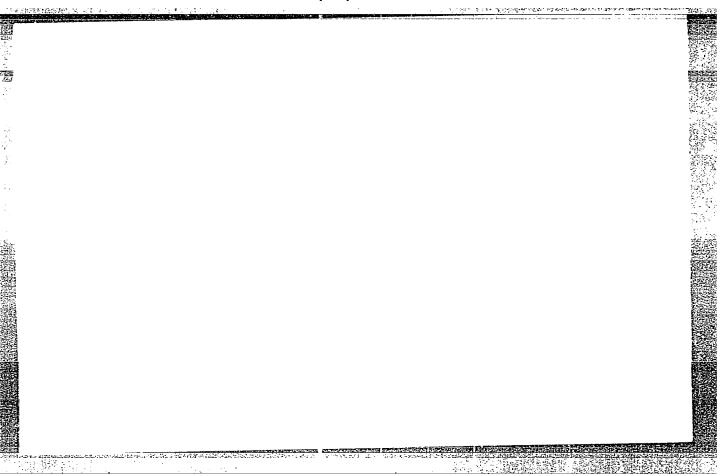


WEISSBERGER, Arnold, editor; VASIL'YEV, V.G., redaktor; OGANDZHANOVA, N.A., redaktor; IL'IN, B.N., tekhnicheskiy redaktor

[Physical methods of organic chemistry. Translated from the English]
Fisicheskie metody organicheskoi khimii. Perevod s angliiskogo.
Pod obshchei red. V.G. Vasil'eva. Moskva, Izd-vo inostrannoi lit-ry.
Vol.2. 1952. 587 p.
(Chemistry, Organic)

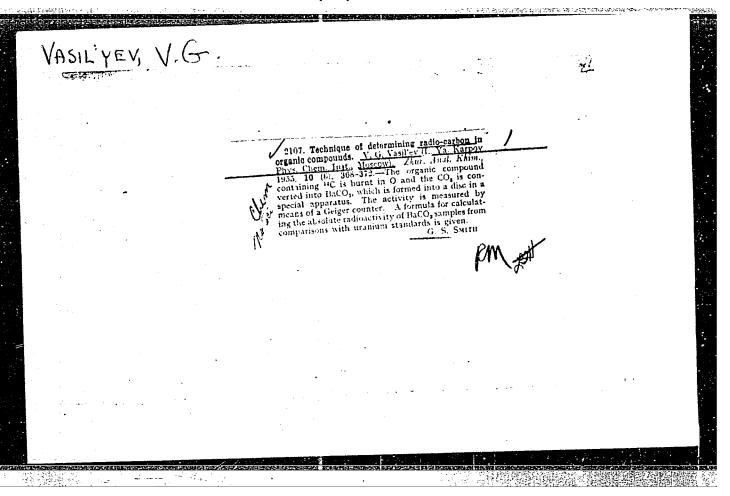
VASIL'YEV, V. G. WEISSBERGER, Arnold, redaktor; VASIL'YEV, V.G., redaktor; ARNOL'DOV, V.V., redaktor; SHAPOVALOV, V.I., textonicleskiy redaktor. [Physical methods of organic chemistry. Translated from the English] Fizicheskie metody organicheskoi khimii. Perevod s angliiskogo pod obshchei red. V.G. Vasil'eva. Moskva, Izd-vo inostrannoi lit-ry. Vol. 3. 1954. 216 p. (MIRA (Electric moments) (Mass spectrometry) (Radiochemistry)

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CIA-RDP86-00513R001858920004-4



POTAPOV, V.K.; VASIL'YEV, V.G.; TUNITSKIY, N.N.

Investigation of the ionization and dissociation of n-octane and n-nonane molecules by means of bombardment with "quasi-monokinetic" electrons. Probl.fiz.khim. no.2:146-162 59. (MIRA 13:7)

1. Laboratorii stroyeniya molekul i adsorbtsionnykh protsessov Nauchno-issledovatel'skogo fiziko-khimicheskogo instituta imeni L.Ya. Karpova.

(Octane) (Nonane) (Electrons)

5(3) 50V/79-29-6-45/72

AUTHORS: Vasil'yev, V. G., Kharlamova, Ye. N.

TITLE: Thermal Decarboxylation of Methyl Acetyl Salicylate Marked With C¹⁴ (Termicheskoye dekarboksilirovaniye metilatsetilsalitsilata, mechennogo C¹⁴)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 6, pp 1973 - 1982 (USSR)

ABSTRACT: The decarboxylation reaction of the carboxylic acids has been investigated in detail. R. R. Brown (Ref 1) mentions a number of proofs for the fact that these reactions take place over the formation of the anion or the dipolar ion:

 $RCO_{2}H \longrightarrow RCO_{2} \longrightarrow R^{-} + CO_{2} \qquad (1)$ $RCO_{2}H \longrightarrow H^{+}RCO_{2} \longrightarrow RH + CO_{2} \qquad (2)$ $H^{+} + RCO_{2} \longrightarrow HR + CO_{2} \qquad (3)$

The only example of a decomposition in undissociated form is the mesitol acid (mezitoynaya kislota). The thermal decarboxylation of the esters is more complicated. Both bonds show the same stability with respect to their cleavability. On the basis of theoreti-

Card 1/3

Thermal Decarboxylation of Methyl Acetyl Salicylate Marked SOV/79-29-6-45/72 With C14

> cal considerations the authors used a method described already earlier for the investigation of the kinetics and the mechanism of the decarboxylation of methyl acetyl salicylate (=A.M.C.) with the C^{14} marked in the acetate group (scheme (6) and (7)) i. e. at 280, 300 and 320°. The application of the isctope made possible a separate determination of the rates of the simultaneous development of carbon dioxide from both carboxyl groups of this compound. The separation of CO2 from the methyl carboxyl group takes place autocatalytically. The initial noncatalytic reaction takes place with the activation energy 44 Cal/Mol. The autocatalytic stage occurs with the activation energy 38 Cal/Mol between AMC and the product of the first reaction. The curves computed on the basis of these conditions correspond to the experiment. A chain-, radical-, and ionic mechanism is not possible. The separation of C*O, from the acetoxy group takes place in two stages: at the beginning acetic anhydride forms from 2 molecules AMC which in the second stage decomposes into CO, and acetone. This reaction is inhibited by the decomposition products of AMC. The difference of the activation energy of the two reactions (=1.8 Cal/Mol) was computed

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920004-4"

Thermal Decarboxylation of Methyl Acetyl Salicylate Marked SOV/79-29-6-45/72 With C^{14}

from the ratio of the constants of the initial velocities of C*O₂ and CO₂. This difference is mainly due to the difference in the degree of conjugation of the two carboxyl groups with the aryl and methyl group of the molecule AMC (2 curve diagrams). There are 3 figures and 21 references, 5 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni L. Ya. Karpova (Scientific Physicochemical Research Institute imeni L. Ya. Karpov)

SUBMITTED: April 15, 1958

Card 3/3

类。静静生

5(4) AUTHOR3:

Potapov, V. K., Vasil'yev, V. G., Tunitskiy, H. N. SOV/20-126-3-43/69

TITLE:

The Ionization and Dissociation of the Molecules of n-Octane and n-Monane by Monoenergetic Electrons (Ionizatsiya i dissotsiatsiya molekul n-oktana i n-nonana monoenergeticheskimi elektronami)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3, pp 612-615 (USSR)

ABSTRACT:

In the introduction to the present paper investigations carried out by V. L. Tal'roze and Ye. L. Frankevich on the determination of the affinity of some melecules are mentioned (Ref 4). In the present paper the formation of fragment ions and the excitation of molecule ions by moroevergetic electrons is investigated. This is done by investigating the occurrence of fragment—and molecule ions

of n-come n-octane-2D₁ and n-rolane-5D¹³. Measurements were carried out in a special mass spectrograph, and for obtaining the monoenergetic electrons a method developed by R. R. Rem (n. c.)

monoenergetic electrons a method developed by R. E. Fox (Ref 6) was used. Tables 1 and 2 show the potentials of molecule- and

fragment-ions of the type c_{n}^{+} and c_{n}^{+} occurring in this mass spectrograph, and two diagrams show the ion flux of molecule- and

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fragment ions in dependence on electronic energy. From these

The Ionization and Dissociation of the Molecules of n-Octane and n-Nomane by Monoenergetic Electrons

SOY/20-126-3-43/69

results the schemes for the formation of the fragment-ion C_{11} and of the fragment-ion C_{11} from n-octane are then obtained. Finally, the authors thank M. V. Tikhomirov for his help and evaluation of results, as well as M. V. Gur'yev for the synthetic production of n-octane-2D₁ and n-nonane-5C¹. There are 3 figures, 2 tables, and 10 references, 3 of which are Soviet.

ASSOCIATION:

Nauchno-issledovatel skiy fiziko-khimicheskiy institut im. L. Ya. Karpova (Scientific Physico-chemical Research Institute imeni L. Ya. Karpov)

PRESENTED:

February 27, 1959 by S. S. Medvedev, Academician

SUBMITTED:

February 18, 1959

Card 2/2

81730 8/020/60/133/01/42/070 8004/8007

5.3100

AUTHORS:

Vasil'yev, V. G., Kharlamova, Ye. N.

TITLE

Investigation of the Strength of C-O Bonds by Isotopic

Exchange

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 1,

pp. 152 - 154

TEXT: The authors investigated the relative strengths of C-O bonds in ethers and esters by means of the exchange of C^{14} . As a relative measure of strength an exchange yield was selected, which was attained after a certain time. The experimental conditions were chosen in such a manner that the yield did not exceed 20 - 40%, so that its values approximately corresponded to the rate constants. Equimolar mixtures, in which one

component was tagged with C¹⁴, were heated in ampoules. In the first two experimental series determination of the radioactivity absorbed by the non-tagged component was carried out qualitatively by measuring radioactivity, but in the third, it was carried out quantitatively by

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Investigation of the Strength of C-O Bonds S/020/60/133/01/42/070 by Isotopic Exchange B004/B007

determining the C¹⁴ content. In series 1 reactions of ethers were investigated. Neither p-nitrophenol, p-chlorophenol, p-diethoxybenzene nor p-cresol ethyl ether entered into exchange reaction with sulphuric ether tagged with C¹⁴ at 300°C and with the experiment lasting 20 h. Only in the case of phenetole was a slight exchange observed. Experiments carried out with phenetole (p-nitrophenol) and C¹⁴-ethanol also showed no reaction. In series 2 qualitative investigations were carried out in mixtures of acids, esters, acid anhydrides and ketones (Table 1). Ketones did not enter into reaction with acid anhydrides. For series 3 the system C₆H₅C00C₆H₅ + C₆H₅C¹⁴OOH was selected, and both the exchange of C¹⁴ as also, in parallel experiments, with C₆H₅C0¹⁸O¹⁸H the exchange of O¹⁸ were investigated. C¹⁴ was combusted to CO₂ and determined by measuring the pulses of BaC¹⁴O₃. O¹⁸ was combusted to CO₂ and the latter was determined by means of an MN-1303°(MI 1303)-type mass spectrometer (these measurements were carried out by M. V. Tikhomirov). The authors found an exchange of C¹⁴ equalling 41.5 %, and of O¹⁸ equalling 21 %. Therefore, Card 2/3

Investigation of the Strength of C-O Bonds by Isotopic Exchange

B/020/60;133/01/42/070 B004/B007

the authors give the following scheme for the exchange reaction:

H

The exchange occurs by way of the C-O bond between carboxylic carbon and ester oxygen. There is 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut
im. L. Ya. Karpova (Scientific Research Institute of Physical
Chemistry imeni L. Ya. Karpov)

PRESENTED: March 4, 1960 by S. S. Medvedev, Academician

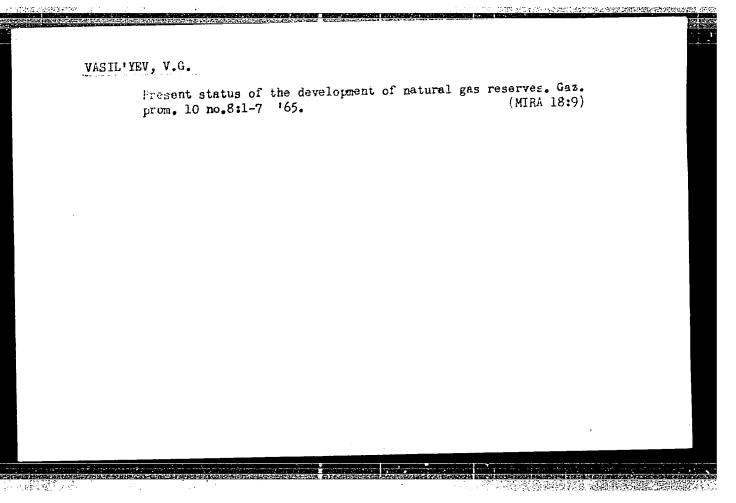
SUBMITTED: March 4, 1960

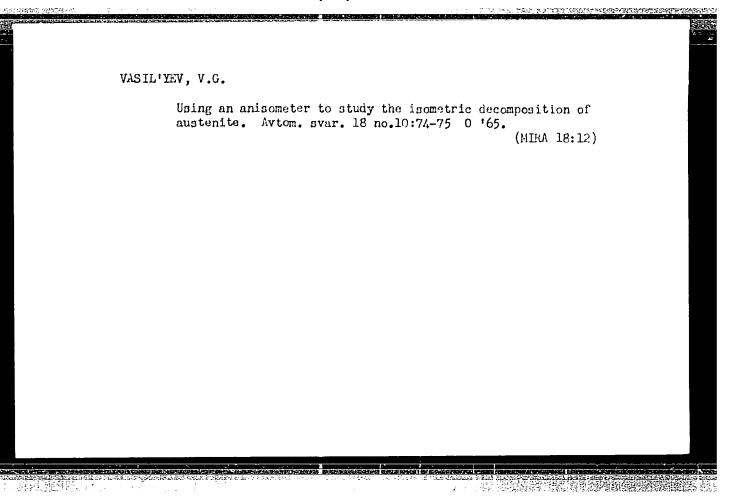
Card 3/3

MALEVSKIY, Yu.B.; GRABIN, V.F.; VASIL'YEV, V.G.; YAVORSKIY, Yu.D.

Alloys of copper with cobalt and silison for the electrodes of resistance welding machines. Avtom, svar. 16 no.8:47-57 Ag 163. (MIRA 16:8)

1. Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR.
(Electric welding—Equipment and supplies)
(Electrodes, Copper)





VASIL'YEV, V.G.; KARASEV, I.P.; MAZUR, V.B.; MIRONCHEV, Yu.P.

Prospects for finding gas in the southern part of the East
Siberian Platform. Gaz. prom. 8 no.6:1-4 '63.

(MIRA 17:8)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920004-4

L 22601-66 ENT(1) CS (CW SOURCE CODE: UR/0000/64/000/000/0130/0140

AUTHOR: Vasil'yev, V. G.; Maksimov, S. P.; Trofimuk, A. A.

ORG: none

TITLE: Oil and gas basins of the SSSR

SOURCE: International Geological Congress. 22d, New Delhi, 1964. Geologiya nefti (Petroleum geology). Moscow, Izd-vo "Nauka," 1964, 130-140

TOPIC TAGS: geology, geologic conference, earth crust, map, natural gas, fuel, shale oil, petroleum

ABSTRACT: Oil and gas deposits in the earth's crust are confined to the series of sedimentary rocks filling up depressions in the folded or crystalline basement. The existing oil and gas basins are located in such depressions. According to I. O. Brod, the term "oil and gas and potential oil and gas basins" means "depressions in the present structure of the earth's crust differing in their geotectonic position and dimensions, characterized in most cases by inherited sagging, composed of relatively thick series of sedimentary rocks, and containing accumulations of oil and gas, the distribution of which is controlled by the peculiarities of the geological structure of each basin and its specific hydrogeological environment." By their position relative to the large geostructural elements of the earth's crust the basins are subdivided into: a) intraplatform depressions located in the interior

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part of ancient and younger platforms; b) subgeosynclinal depressions, also located on platforms, but adjacent to and genetically closely associated with geosynclir regions; c) intermontane depressions developed in the form of superimposed depressions on geosynclinal substratum. The total estimated area of prospective oil and gas regions in the Soviet Union is 11,875,000 square kilometers. There are over 40 oil and gas and potential oil and gas basins within this area, belonging to the above mentioned three types of geostructural elements. Within each oil and gas basin of platform type three structural stages are discernible: basement, intermediate stage, and platform cover proper. Within continents, oil and gas basins of subgeosynclinal-platform type, associated with a single folding system, can form continuous belts of oil and gas accumulations. Oil and gas basins on platforms usually have very complex geological structure, and individual oil and gas regions can be distinguished within them. With the regions it is advisable to discriminate individual oil and gas fields. Comparative evaluation of the supposed reserves of oil and gas was made by types of basins, based on the geological anomalies method. A more accurate estimation of the supposed reserves of oil can be made by the volumetric-genetic method, in accordance with a single general system of their evaluation. Considering the great theoretical and practical importance of oil and gas basin studies, it seems advisable to set up a special commission of representatives of geological services of the countries of Europe, Asia, America, Africa, and Australia within the International Geological Congress to prepare a map of "Oil and Gas Basins of the World." Orig. art. has: 3 tables and 1 figure. [Author's abstract.] 08/ SUBM DATE: 21Nov64/ ORIG REF: 007/ SUB CODE:

Card 2/2

BUYARON, Maras and Attack, Maras

Eval ating possible oil and our reserves. Meftegez.geol. i goofiz. no.7:3-6 165.

1. Vsessycznyy nauchac-iach-douglaliskiy geologorazvedochow neftyanoy institut, Moskva, i Vsessycznyy neuchac-issledovateliskiy institut prirodnogo gaza.

BAGIRYAN, G.V.; VASIL'YEV, V.G.; GORBENKO, G.L.; MIRONCHEV, Yu.P.; KOCHARDV, S.M.

Oil and gas fields of Siberia. Neftegaz.geol. i geofiz. no.1:4-9
(MIRA 18:5)

1. Gosudarstvennyy geologicheskiy komitet RSFSR i Vsesoyuznyy nauchno-issledovatel skiy institut prirodnogo gaza.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920004-4

L 03018-67 ENT(1) IJP(c) SOURCE CODE: UR/0199/66/007/003/0559/0576 ACC NR: AP6028218

AUTHOR: Lawrent'yev, M. M.; Vasil'yev, V. G.

ORG: none

TITLE: On the formulation of several incorrect problems of mathematical physics

SOURCE: Sibirskiy matematicheskiy zhurnal, v. 7, no. 3, 1966, 559-576

TOPIC TAGS: integral equation, boundary value problem, Cauchy problem, Laplace equa-

tion, partial differential equation

ABSTRACT: The solution of the general equation

is said to be correctly formulated if there exists a function B(f) defined and continuous in all F and inverse to the function $A(\phi)$, where F is a total metric space and $A\phi$ is a function with a region of definition $\Phi' \subset \Phi$. Approaches to incorrect problems are set forth using the classical Cauchy problem for Laplace's equation as an example. The first approach involves altering the notion of correctness. Tikhonov's method, for example, defines for (1) a closed set $M \subset \Phi$ and proceeds from the rules: 1) it is known a priori that a solution ϕ exists for some class of data and belongs to M; 2) the solution is unique in the class of functions belonging to M; 3) corresponding to

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ORG: none TITLE: Multiply-connected reproducing systems with correct linear conversion elements SOURCE: Avtometriya, no. 3, 1965, 3-18 TOPIC TAGS: linear accelerator, linear automatic control system, circuit design, servosystem ABSTRACT: The article demonstrates that it is possible, in principle, to design multiply-connected reproducing systems (MRS) with linear inertial conversion elements which function on a nonselective basis. An analysis of MRS is made for the purpose of obtaining the necessary and sufficient conditions of their high-quality operation. Declarative and mathematical definitions are proposed in the case of the fundamental concepts discussed, including: "linear converting complexes," "linear multiply-connected reproducing systems," and "simple-conversion linear multiply-connected systems." Systems of this general type, consisting of five linear correct conversion complexes, are analyzed, and the purpose and inherent errors of the conversion process are discussed. Stability conditions for uniquely operating MRS are Cord 1/2 UDC: 621.317.39+681.2.082	ACC NR: AP6015321	(M) SOURCE CODE: UR/0410/66	5/000/003/0003/0018 58
SOURCE: Autometriya, no. 3, 1965, 3-18 TOPIC TAGS: linear accelerator, linear automatic control system, circuit design, servosystem ABSTRACT: The article demonstrates that it is possible, in principle, to design multiply—connected reproducing systems (MRS) with linear inertial conversion elements which function on a nonselective basis. An analysis of MRS is made for the purpose of obtaining the necessary and sufficient conditions of their high-quality operation. Declarative and mathematical definitions are proposed in the case of the fundamental concepts discussed, including: "linear converting complexes," "linear multiply-connected reproducing systems," and "simple-conversion linear multiply-connected systems." Systems of this general type, consisting of five linear correct conversion complexes, are analyzed, and the purpose and inherent errors of the conversion process are discussed. Stability conditions for uniquely operating MRS are		Zhukovskiy)	57
TOPIC TAGS: linear accelerator, linear automatic control system, circuit design, servosystem ABSTRACT: The article demonstrates that it is possible, in principle, to design multiply—connected reproducing systems (MRS) with linear inertial conversion elements which function on a nonselective basis. An analysis of MRS is made for the purpose of obtaining the necessary and sufficient conditions of their high-quality operation. Declarative and mathematical definitions are proposed in the case of the fundamental concepts discussed, including: "linear converting complexes," "linear multiply-connected reproducing systems," and "simple-conversion linear multiply-connected systems." Systems of this general type, consisting of five linear correct conversion complexes, are analyzed, and the purpose and inherent errors of the conversion process are discussed. Stability conditions for uniquely operating MRS are			B
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ABSTRACT: The article demonstrates that it is possible, in principle, to design multiply- connected reproducing systems (MRS) with linear inertial conversion elements which function on a nonselective basis. An analysis of MRS is made for the purpose of obtaining the necessary and sufficient conditions of their high-quality operation. Declarative and mathematical defini- tions are proposed in the case of the fundamental concepts discussed, including: "linear con- verting complexes," "linear multiply-connected reproducing systems," and "simple-conver- sion linear multiply-connected systems." Systems of this general type, consisting of five linear correct conversion complexes, are analyzed, and the purpose and inherent errors of the conversion process are discussed. Stability conditions for uniquely operating MRS are	SOURCE: Avtometriya, no. 3	3, 1965, 3-18	
connected reproducing systems (MRS) with linear inertial conversion elements which function on a nonselective basis. An analysis of MRS is made for the purpose of obtaining the necessary and sufficient conditions of their high-quality operation. Declarative and mathematical definitions are proposed in the case of the fundamental concepts discussed, including: "linear converting complexes," "linear multiply-connected reproducing systems," and "simple-conversion linear multiply-connected systems." Systems of this general type, consisting of five linear correct conversion complexes, are analyzed, and the purpose and inherent errors of the conversion process are discussed. Stability conditions for uniquely operating MRS are		ator, linear automatic control system, c	ircuit design,
Card 1/2 UDC: 621.317.39+681.2.082	connected reproducing system on a nonselective basis. An and sufficient conditions of the tions are proposed in the case verting complexes, ""linear sion linear multiply-connected linear conversion contracts."	ns (MRS) with linear inertial conversion analysis of MRS is made for the purpose neir high-quality operation. Declarative e of the fundamental concepts discussed, multiply-connected reproducing systems ed systems." Systems of this general type malexes, are analyzed, and the purpose	of obtaining the necessary and mathematical defini- including: "linear con- ," and "simple-conver- oe, consisting of five and inherent errors of
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ACC NR: AP6015321

derived, and mathematical expressions are written for the prevention of useful signal suppression in such systems. Conditions for the correct use of multiply-bound systems for simple conversion are presented. Several specific arrangements of optimally corrected simple-conversion MRS are proposed (multiply-connected test and recording system, multiply-connected automatic control system), and linear systems for complex conversion are briefly discussed. The results, which indicate the advisability of using MRS as modern test equipment, are seen as useful in the development of test systems with non-selective primary converters, designed for the simultaneous testing and/or recording of a number of qualitatively distinct physical processes. Orig. art. has: 7 figures and 50 formulas.

SUB CODE: 09,14/ SUBM DATE: 16Dec64/ ORIG REF: 019

Card 2/2 2012

VASIL'EV, Vasilii Gavrilovich. Dva goda v tundre. Leningrad, Izd-vo Glavsevmor, uti, 1935. 214, p. (Poliarnaia biblioteka).

"Juo Jeans in the Juntary DLC: Unclass.

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So: 18, Soviet Geography, Part II, 1951/Unclassified

VASILIEV, VASILIA G., jt. comp.

Katalog astronomicheskikh... 1937. (Card 2, 48-54791)

Dadeev, V. A., jt. comp. II. Vasil'ev, Vasilii G. jt. comp. III. Vorob'ev, V. I., ed.

IV. Salishchev, Konstantin Alekseevich, jt. ed. V. Kussia (1923- U.S.S.K.)

Glavnoe upravlenie Severnogo morskogo ruti.

